



MatrixStore Quattro Installation Quick Steps

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1 Required Hardware

To setup a MatrixStore Enterprise cluster you need the following components supplied by Object Matrix Ltd:

- One MatrixStore Quattro with a minimum of three nodes.
- Two 8 port 10 Gigabit switches. These switches are for internal traffic only. No configuration needed.
- Two DAC cables to link the internal switches.
- Two 10 Gigabit Ethernet cables per node for internal traffic
- One 1 Gigabit Ethernet Cable for IPMI network per node
- Two power cables for the Quattro and one power cable per switch.

And the following components supplied by the customer:

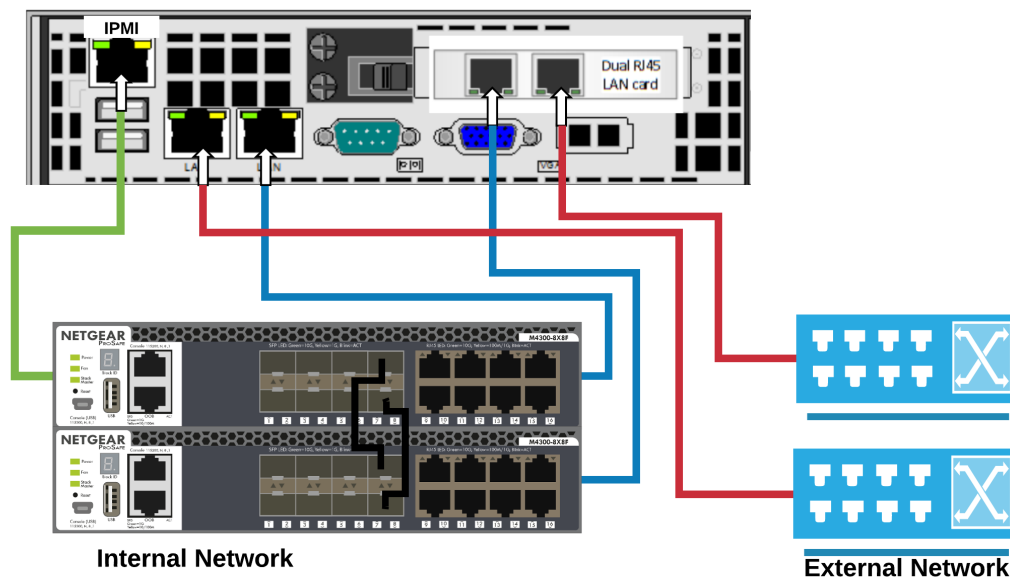
- One or two 10 Gigabit switches for external traffic.
- Two 10 Gigabit Ethernet cables per node for external traffic
- Standard 19inch server rack (**NOT broadcast rack**).
Quattro's dimensions are:
 - 2U: L: 74cm with disks and faceplate, W: 48.26 cm, H: 9cm
- Power to supply 322 Watts (during high load).

2 Network Connectivity

First, setup the internal switches. Internal switches are joined together by connecting them using the supplied DAC cables.

Each node has eighth 10 Gigabit Ethernet network interfaces and eight 10 Gigabit SPF(or Ethernet) interfaces. One of the Ethernet ports is reserved for IPMI control and the remaining ones are for MatrixStore.

Plug the 10Gigabit cables to the internal and external switches and shown in the following picture.

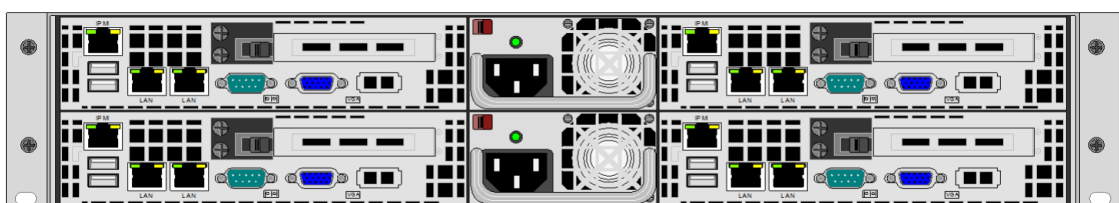


Network Connectivity

3 Connection to Power

First, connect the internal switches to power.

Connect power cables to the nodes without powering them on. Orange lights should be seen at the back of the nodes. You can see where power is located in the picture below.



Quattro's back view

4 Power the Nodes

It is recommended to power on the nodes one at time powering the node labelled 'node1' first (bottom-left front panel at the front of the chassis).

Wait 5 seconds and power on the next node in the sequence. Repeat this until all nodes are powered on.

5 Verify Setup

1. Check the power LED at the front of the nodes are green.
2. Check the NIC lights (for 10Gigabit). The LEDs on the nodes should show amber lights for Gigabit connections. Green lights on the Gigabit ports indicate 100mbit links, which is likely to indicate a problem.
3. Use the supplied "MatrixStore Admin" application to check connectivity. Instructions for the Admin tool can be found at the Help submenu.

Launch the application, enter the IP addresses and right-click "Test Connection".

If the output shows any timeout messages please contact Object Matrix Ltd.

NOTE: ping command does not work with MatrixStore nodes

6 Create a Vault

Use the supplied "MatrixStore Admin" application to administer your MatrixStore cluster.

Launch the application, select the IP addresses introduced in the previous step and enter the cluster password as indicated in the MatrixStore Administration Tool User Guide. Follow the troubleshooting instructions in the user guide if it is not possible to connect to the cluster.

Once connected, create a MatrixStore Vault. This creates a user file containing user credentials to perform actions against the vault. This 'Vault File' can be imported into any of the MatrixStore data access applications.

7 Data Access Applications

You can now launch and use DropSpot and MXFS (Matrix File System). MXFS only works with updateable vaults.

Import the user Vault file into the applications and start to archive your content.

It is recommended to read and follow the instructions in the user manuals provided.